L Number	Hits	Search Text	DB	Time stamp
1	338	attenuated ADJ bacteria	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/05/04 10:22
7	719	bacteriocin	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/05/04 10:19
13	269668	expression	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/05/04 10:19
19	247999	vector	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/05/04 10:20
25	28187	lysis	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/05/04 10:20
31	0	bacteriocin same expression same vector same lysis	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/05/04 10:20
37	62669	bacteriocin expression same vector	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/05/04 10:20
43	20	bacteriocin same expression same vector	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/05/04 10:20
49	4	(bacteriocin same expression same vector) and lysis	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/05/04 10:22
55	2	6403082.pn.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/05/04 10:22
61	0	(attenuated ADJ bacteria) and 6403082.pn.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/05/04 10:22
67	70560	attenuated	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/05/04 10:22
73	0	attenuated and 6403082.pn.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/05/04 10:23
79	1	lysis and 6403082.pn.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/05/04 10:26
85	538	vibriocin or microcin or colicin$	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/05/04 10:26

91	85074	cole$	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/05/04 10:27
97	25	expression same vector same (vibriocin or microcin or colicin$)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/05/04 10:29
103	1	expression same vector same (vibriocin or microcin or colicin$) same lysis	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/05/04 10:28
109	665	expression same vector same cole$	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/05/04 10:29
115	0	expression same vector same cole$ same (attenuated ADJ bacteria)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/05/04 10:30
121	3	(expression same vector same cole$) and (attenuated ADJ bacteria)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/05/04 10:32
127	45	bacteriocin same (vibriocin or microcin or colicin$)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/05/04 10:33
133	1	bacteriocin same (vibriocin or microcin or colicin$) same expression same vector	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/05/04 10:34
139	45	bacteriocin same (vibriocin or microcin or colicin$)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/05/04 10:35
145	60	"l45" and vector	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/05/04 10:35
151	46	"l45" and vector and expression	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/05/04 10:40
157	0	(attenuated ADJ bacteria) same tumor same target$	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/05/04 10:45
163	1	(attenuated ADJ bacteria) and bacteriocin	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/05/04 10:46
169	2	6537558.pn.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/05/04 10:47
175	1	6537558.pn. and (vibriocin or microcin or colicin$)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/05/04 10:47

-	6	TNF$ and BERMUDES$.IN.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/04/25 14:51
-	0	TNF$ and BERMUDES$.IN. and endostatin	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/04/25 14:51
-	713	bacteriocin	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/05/04 10:19
-	0	TNF$ and BERMUDES$.IN. and bacteriocin	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/04/25 14:52
-	20	attenuat$ and bacteria$ and bacteriocin	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/04/25 14:52
-	4	attenuat$ and bacteria$ and bacteriocin and TNF$	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/04/25 14:52
-	337	attenuated ADJ bacteria	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/05/04 10:19
-	28	(attenuated ADJ bacteria) and TNF$	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/04/25 14:54
-	0	(attenuated ADJ bacteria) and TNF$ and bacteriocin	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/04/25 15:07
-	107934	tumor	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/04/25 15:08
-	8	(attenuated ADJ bacteria) same tumor	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/04/25 15:12
-	0	(attenuated ADJ bacteria) same TNF$	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/04/25 15:13
-	1	bacteriocin and (attenuated ADJ bacteria)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/04/25 15:15
-	77	bacteriocin and tumor	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/04/25 15:15
-	9	bacteriocin SAME tumor	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/04/25 15:17

-	9860	TNF$ same tumor	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/04/25 15:37
-	12650	anti-tumor	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/04/25 15:37
-	568	TNF$ same anti-tumor	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/04/25 15:37
-	0	TNF$ same l206.clm.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/04/25 15:37
-	52	l13.clm.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/04/25 15:38
-	1	anti-tumor and l13.clm.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/04/25 15:38
-	2347	(tumor ADJ necrosis ADJ factor or TNF).CLM.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/04/25 15:39
-	807	anti-tumor AND ((tumor ADJ necrosis ADJ factor or TNF).CLM.)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/04/25 15:40
-	44578	EXPRESSION ADJ VECTOR	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/04/25 15:40
-	633	anti-tumor AND ((tumor ADJ necrosis ADJ factor or TNF).CLM.) and (EXPRESSION ADJ VECTOR)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/04/25 15:40
-	19	((tumor ADJ necrosis ADJ factor or TNF).CLM.) SAME (EXPRESSION ADJ VECTOR)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/04/25 15:57
-	0	tumor ADJ inhibitory ADJ enzyme	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/04/25 15:57
-	8	methionase	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/04/25 15:58
-	0	methionase same tumor	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/04/25 15:58
-	0	methionase AND tumor	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/04/25 15:58

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     (FILE 'HOME' ENTERED AT 09:42:40 ON 04 MAY 2003)

     FILE 'MEDLINE, PCTFULL' ENTERED AT 09:44:30 ON 04 MAY 2003
L1          3401 S BACTERIOCIN
L2          2104 S TUMOR THERAPY
L3             0 S L1 (S) L2
L4        645120 S TUMOR
L5        336174 S TARGET?
L6             1 S L1 (S) L4 (S) L5
L7            45 S L1 (L) L4 (L) L5
L8         21607 S L4 (S) L5
L9             1 S L1 (S) L8
L10        33573 S COLICIN? OR COLE?
L11           20 S L1 (L) L4 (L) L5 (L) L10

     FILE 'MEDLINE' ENTERED AT 10:02:27 ON 04 MAY 2003
L12            0 S L2 (S) L10
L13            0 S L2 (L) L10
L14           11 S L10 (L) L4 (L) L5
L15        11114 S EXPRESSION VECTOR
L16            2 S L15 (S) L1
L17       563076 S EXPRESSION
L18        85931 S  VECTOR
L19            4 S L17 (S) L18 (S) L1
L20        90072 S ATTENUAT?
L21       528517 S BACTERI?
L22            2 S L20 (L) L21 (L) L1

     FILE 'USPATFULL, PCTFULL' ENTERED AT 10:15:33 ON 04 MAY 2003
L23           28 S L19
L24            1 S L4 AND L5 AND L23

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1: Mol Gen Genet 1981;183(2):326-32 Related Articles, Links

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Protein H encoded by plasmid Clo DF13 involved in lysis of the bacterial host. II. Functions and regulation of synthesis of the gene H product.

Hakkaart MJ, Veltkamp E, Nijkamp HJ.

We studied the expression of gene H, located between 9.3% and 11% on the CLo DF13 genome, as well as the functions of the gene product. We found that treatment of bacterial cells with mitomycin-C results in the induced synthesis of three Clo DF13 specified proteins namely cloacin DF13, immunity protein and protein H. Evidence was obtained that the genes encoding these proteins form one, mitomycin-C induceable, operon; the promoter at 32% in front of the cloacin gene is essential for the induced expression. Furthermore we could demontrate that protein H is involved in the lethal effect of mitomycin-C treatment of bacteriocinogenic cells. The data in this paper show that a high concentration of protein H in cells, due either to an induced expression of gene H (mitomycin-C induction) or to a gene dosage effect (Clo DF13 copI Ts copy control mutant), results in the lysis of bacterial cells. The implication of these data are discussed.

PMID: 7035830 [PubMed - indexed for MEDLINE]

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